

DERWENT-ACC-NO: 1987-001605

DERWENT-WEEK: 198701

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TITLE: Liq. fertiliser prodn. - from mixts.
of sulphuric acid,
urea, salt and phosphoric acid for
reducing soil
alkalinity

PATENT-ASSIGNEE: PHILOPATENT SA[PHILN]

PRIORITY-DATA: 1984ES-0534730 (July 31, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
ES 8606972 A	November 1, 1986	N/A
000	N/A	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
ES 8606972A	N/A	1984ES-0534730
July 31, 1984		

INT-CL (IPC): A01C021/00, C05G003/04 , C09K017/00

ABSTRACTED-PUB-NO: ES 8606972A

BASIC-ABSTRACT:

The fertiliser is made in a closed container fitted with a stirrer, by mixing 40% water, 0-16% sulphuric acid, 0-50% urea, 0-40% sodium chloride and 0-40% ortho-phosphoric acid, to obtain a liq. applicable directly to plants. The H₂SO₄ and NaCl react to give HCl which eliminates CaCO₃ from the soil by forming harmless CaCl₂. The H₃PO₄ decomposes the urea to form ammonium phosphate which reacts with excess Ca ions in the soil. It

can be used to
release cpds. blocked by the calcium, eliminate soil
impermeability, adjust the
soil to pH7, activate the microbial life and prodn. of humus.

TITLE-TERMS: LIQUID FERTILISER PRODUCE MIXTURE SULPHURIC ACID
UREA SALT

PHOSPHORIC ACID REDUCE SOIL ALKALINE

DERWENT-CLASS: C04 P11

CPI-CODES: C05-A01B; C05-B02A4; C05-C05; C10-A13C; C12-N09;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-000667